



## DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

Atty. Docket No. 1554 (USW 0464 PUS)

First Named Inventor Bruce A. Phillips

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### SYSTEM AND METHOD FOR INCREASING DISTRIBUTION DISTANCE OF XDSL TYPE SIGNALS

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the specification of which:

- is attached hereto; or  
 was filed on December 1, 1998 as U.S. Application Number or PCT International Application Number 09/203,086, and was amended on (MM/DD/YYYY) \_\_\_\_\_ (if applicable).

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I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below, and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

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**Declaration for Patent Application (cont'd.)**Atty. Docket No. 1554 (USW 0464 PUS)

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**22193**

PATENT TRADEMARK OFFICE

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 101 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**Full Name of Sole or First Inventor** BRUCE A. PHILLIPS

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Post Office Address 9165 S. Mountain Brush Court, Highlands Ranch, Colorado 80126Residence (same as above) Citizenship United States of America**Full Name of Second Joint Inventor** DARWEI KUNG

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Post Office Address 15149 E. Princeton Pl., #F, Aurora, Colorado 80014Residence (same as above) Citizenship United States of America**Full Name of Third Joint Inventor** TODD A. PETT

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Post Office Address 2318 22<sup>ND</sup> Avenue, Longmont, Colorado 80503Residence (same as above) Citizenship United States of America**Full Name of Fourth Joint Inventor** DAVID J. ARENS

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Post Office Address 9225 S. Mountain Brush Court, Highlands Ranch, Colorado 80126Residence (same as above) Citizenship United States of America

**Declaration for Patent Application (cont'd)** Atty. Docket No. 1554 (USW 0464 PUS)

**Full Name of Fifth Joint Inventor** PAULA C. POBERZYN

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Post Office Address 1425 East Hermosa Drive, Highlands Ranch, Colorado 80126

Residence (same as above) Citizenship United States of America

**Full Name of Sixth Joint Inventor** RICHARD H. FINK

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Post Office Address 4129 S. Ireland Court, Aurora, Colorado 80013

Residence (same as above) Citizenship United States of America

**Full Name of Seventh Joint Inventor** DONALD L. BRODIGAN

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Post Office Address 6281 W. 110<sup>th</sup> Avenue, Broomfield, Colorado 80020

Residence (same as above) Citizenship United States of America

**Full Name of Ninth Joint Inventor** JAMES W. NEVELLE

Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Post Office Address 9688 S. Biltmore Way, Highlands Ranch, Colorado 80126

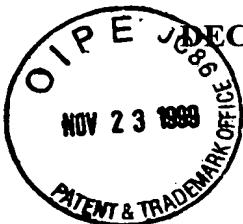
Residence (same as above) Citizenship United States of America

**Full Name of Eighth Joint Inventor** KURT A. CAMPBELL

Inventor's signature Kurt A. Campbell Date 7/26/99

Post Office Address 101 Sandler Drive, Lafayette, Colorado 80026

Residence (same as above) Citizenship United States of America



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**Full Name of Sole or First Inventor** BRUCE A. PHILLIPSInventor's signature Bruce A. Phillips Date 08-25-99Post Office Address 9165 S. Mountain Brush Court, Highlands Ranch, Colorado 80126Residence (same as above) Citizenship United States of America**Full Name of Second Joint Inventor** DARWEI KUNGInventor's signature DK Date 10/5/99Post Office Address 15149 E. Princeton Pl., #F, Aurora, Colorado 80014Residence (same as above) Citizenship United States of America**Full Name of Third Joint Inventor** TODD A. PETTInventor's signature Todd A. Pett Date 10/8/99Post Office Address 2318 22<sup>ND</sup> Avenue, Longmont, Colorado 80503Residence (same as above) Citizenship United States of America**Full Name of Fourth Joint Inventor** DAVID J. ARENSInventor's signature David J. Arens Date 10-4-99Post Office Address 9225 S. Mountain Brush Court, Highlands Ranch, Colorado 80126Residence (same as above) Citizenship United States of America

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Inventor's signature Paula C. Poberzyn Date 10-4-99

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(See separately executed

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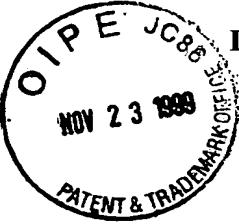
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Inventor's signature Kurt A. Campbell Date 10-01-99

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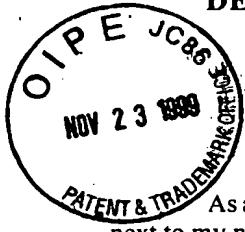
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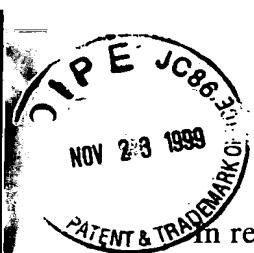
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BRUCE A. PHILLIPS ET AL

Serial No.: 09/203,086

Filed: December 1, 1998

For: SYSTEM AND METHOD FOR INCREASING  
DISTRIBUTION DISTANCE OF XDSL TYPE SIGNALS

Attorney Docket No.: 1554 (USW 0464 PUS)

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**STATEMENT UNDER 37 C.F.R. § 3.73(b) AND  
CONSENT OF ASSIGNEE TO CORRECTION OF  
INVENTORSHIP UNDER 37 C.F.R. § 1.48(a)(4)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

US WEST, INC., a corporation organized and existing under the laws of the State of Delaware and having a place of business at 1801 California Street, Suite 5100, Denver, Colorado 80202, is the assignee of the entire right, title and interest in the above-identified application, U.S. Patent Application Serial No. 09/203,086, by virtue of an assignment from the originally named inventors thereof recorded in the U.S. Patent and Trademark Office on December 1, 1998, at Reel 9622, Frames 0220, and an assignment from the inventors to be added being submitted simultaneously herewith.

Assignee hereby consents to the correction of inventorship.

The undersigned (whose title is supplied below) is empowered to act on behalf of Assignee.

U S WEST, INC.

Signature

Printed Name: Stephen F. Jewett

Title: Assistant Secretary for U S WEST, Inc.

Date: July 30, 1999



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

BRUCE A. PHILLIPS ET AL

Serial No.: 09/203,086

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**STATEMENT BY INVENTOR FOR CORRECTION OF  
INVENTORSHIP UNDER 37 C.F.R. § 1.48(a)(1)**

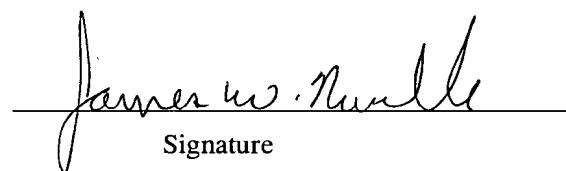
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned hereby states that he was erroneously omitted as an originally named inventor in the above-identified patent application, and that such error occurred without any deceptive intent on his part.

Respectfully Submitted,

Date: 7-26-99

  
\_\_\_\_\_  
Signature

Printed Name: James W. Nevelle